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MEMBER
N. N. G. A.
ILL.
MICH.
OHIO
IND.

BERHOW NURSERIES

STATE CERTIFICATE
No. 199

HAZEL

BUTTERJAP

CHESTNUT

BUTTERNUT

HEARTNUT

BLACK-WALNUT

BUARTNUT

ENGLISH WALNUT



GROWERS OF HARDY NORTHERN PLANT MATERIAL
Specializing in
GRAFTED NUT TREES and ORNAMENTAL EVERGREENS

Seward Berhow, Owner
HUXLEY, IOWA

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U. S. DEPARTMENT OF AGRICULTURE

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BERHOW NURSERIES
HUXLEY IOWA

Dear Sir

In response to your valued inquiry for grafted nut trees, I am inclosing my literature and price list.

Named and improved Black Walnut varieties are the result of discoveries made by different people in different parts of the U. S. that have outstanding merits over the average or wild ones, in that they are much better crackers, higher kernel %, light colored kernels, better quality and flavor.

After new varieties have been tested and excepted for their superior production, quality, and merits they are reproduced by grafting to maintain the original strain.

There are many named varieties of walnuts, comparable with apples, except for color, the nuts differ in size, shape, thinness of shell, time of maturity, and etc.

It is true that two or more varieties should be planted together for better cross pollination which will improve yields.

Grafted Black walnuts trees are among the fastest growers and youngest bearers, often start bearing in the second year, as well as one of the longest lived trees, they produce annual crops of one of mans best foods, sealed in a tight package that never spoils and with never a worm in the nuts.

Black walnuts are a hardware crop that may be handled roughly and when dry may be stored in any out building, walnut trees may be grown in the yard or garden as they are ornamental and remarkably free from disease, they are tap rooted so do not depend on top moisture, lawn grass, flowers and garden may be grown right up to the tree trunk making them a two story deal.

The value of black walnut meats in the diet as given by Dr. John Harvey Kellogg, of Battle Creek, Mich. are as follows: 1# black walnut meats is equal to; 4# beef, 6 $\frac{1}{2}$ # beef ribs, 5 $\frac{1}{2}$ # veal; 4 $\frac{1}{2}$ # mutton, 3# ham, 10 chicken broilers, 13 $\frac{1}{2}$ # oysters 5# eggs, 9 $\frac{1}{2}$ # milk.

Persian (English Walnuts). The Carpathian strain was discovered many years ago by a missionary, the Rev. Paul Crath in the Carpathian mountains in north Poland where the temperatures often reach 40 below 0.

Rev. Crath spent years in Poland studying and selecting the best strains, after which he sent large amounts of the best seed nuts to the U.S. which was distributed through the Wisconsin Horticultural Society.

These nuts were planted in many parts of the U.S. and have proven hardy and good regular bearers of excellent nuts.

In tree they have proven to be practically as hardy as black walnuts.

A number of Persian Walnut contests have been held in order to select the best ones which have been named and are being propagated and sold by nurserymen who graft them on black walnut stocks, which makes the best trees and the kind that should be planted.

There are parties selling seedling trees, these should not be planted as they will not come true, as well as may be crossed with black walnut, which in most cases are worthless and likely result in disappointment.

There are also a number of Persian walnuts that are not Carp Carpathians that are equally hardy and productive.

Persian trees make ornamental yard trees their foliage is large and of a waxy appearance, the trees have a smooth light gray color bark.

I sell only grafted trees produced from superior strains, and are propagated, sold, and carefully hand dug by myself. I am very particular about my graft wood to insure that my trees will be true to name.

I have been propagating and selling nut trees for more than twenty five years, and have shipped trees to all parts of the U. S. having received repeat orders from a large majority of my customers.

With the comparatively few nut tree nurseries and the ever increasing demand, I suggest that if you are in the market for nut trees, get your order booked as soon as possible while stock is plentiful. Later there is less to choose from as well as sold out, resulting in one years time lost, which will never return.

✓ WINKLER, hazel is the only hazel I produce. It's hardy any where trees will grow, it needs no pollinizer companion, abundant producer of large nuts of better quality self husking, makes a wonderful hedge as well, grows to about 6ft. tall.

All other hazel varieties I have tested have been discarded as inferior.

FILBERTS, I have 6 or 8 varieties that are mixed and are the result of many European varieties that have survived our tough IOWA winters for over 30 years, they make a growth of about 12 ft.

✓ HEARTNUT, Is a sport of the Japanese walnut, the tree is a rather coarse tree, having very large foliage of a tropical type. The nuts are truly heart shaped, hence its name. Nuts are borne in clusters of up to 12 or 15 nuts per cluster, size of a large hickory.

When Persian (english) walnuts are ripe enough on the tree to fall, when striking the ground the husk pops right off them so they need no hulling. Meats are free from the bitter after taste such as is the case with meats got at stores.

Thanks for your inquiry and I shall be happy to be of service to you.

Sincerely yours,

SEWARD BERHOW
BERHOW NURSERIES
HUXLEY, IOWA

COMPLIMENTARY
LETTERS

Berhow Nurseries
Huxley, Iowa

Dear Sir:

I received the nut trees in first class condition, and they are fine. You furnish much better root system on nut trees than I have seen anywhere else. I expect to order more this fall.

Very truly yours,
G. W. Naderman--Washington

Mr. S. Berhow
Berhow Nurseries
Huxley, Iowa

Sirs:

I have purchased about 24 nut trees the past three years and from the appearance of your stock I would say these are the best of the lot. I am more than pleased with them. Thank you for your courtesy and consideration.

Yours truly,
Alfred L. Barlow--Michigan

Berhow Nurseries
Huxley, Iowa

Dear Sir:

I wish to thank you for the nice nut trees you sent, also the care with which they were dug. There were no broken roots.

Yours truly,
Dan Edelman--Kansas

Berhow Nurseries
Huxley, Iowa

Dear Mr. Berhow:

I want to thank you for the fine stock and the good packing, I am sure I will have a 100% stand this fall.

Yours truly,
Wm. L. King--Northern Idaho

Berhow Nurseries
Huxley, Iowa

Dear Sir:

The two black walnut trees I received from you last spring arrived in fine shape, and made a fine growth.

Truly yours,
Harry Engstrom--Minnesota

BERHOW NURSERIES

Huxley, Iowa

BLACK WALNUT RECORD

Not a Price List

Variety	State Orig.	Year Disc	North Lat	Total Score	Kernel %	Crack %	# Lb.	Prize-Year Contest
Allen	Mich.	1923	44.45		23.86		34	1-1932-Mich.
Benton	N.Y.	1936	41.45	88.05	29.40	98.34	34	2-1934-N. Y.
Brown	Ohio	1933	40.20	72.63	29.17	86.00	28	1-1934-Ohio
Burson	Ohio	1946	39.00		28.08		21	2-1946-Ohio
Clark	Minn	1934	44.00	80.80	21.34	96.07	28	4-1934-NNGA
Climax	Mich	1934	42.15	81.60	29.28	90.08	23	
Creitz	Ind.	1926	39.45	83.04	26.16	92.15	28	
Cochrane	Wisc.	1940	44.05	96.00	32.00	96.09	28	
Duke	Ohio	1946	39.50		25.03		17	1-1946-Ohio
Edras	Iowa	1926	41.60	81.75	30.29	87.52	34	12-1926-NNGA
Eureka	Ark.	1943		85.44	31.05	100	21	
Homeland	Va.	1931	37.50	81.07	27.04	78.06	24	
Huber	Wisc.	1929	44.05	76.33	34.05	70.07	28	
Horton	Iowa	1932	42.20	81.92	30.44	91.97	20	2-1932-Iowa
Hare	Ill.	1926	42.15	83.03	24.06	83.03	20	9-1926-NNGA
Idaho	Idaho	1945	43.00	93.02	25.08	93.07	20	
Krouse	Iowa	1940	42.05	97.40	27.00		23	2-1942-INGA
Korn	Mich.	1928	42.15	74.09	27.09	95.29	32	
Mintle	Iowa	1929	41.00	84.03	29.41	99.30	33	18-1929-NNGA
Myers	Ohio	1926	40.20	80.18	32.00	100	28	14-1929-NNGA
Michigan	Mich	1939	42.10	90.01	30.03	90.01	26	
Ohio	Ohio	1915	41.00	102	31.02	97.07	30	2-1942-INGA
Oakes	Ill.	1932	39.45	81.05	31.57	81.09	27	5-1932-Drake
Ottawa	Ohio	1941	40.30	93.04	26.07	97.07	32	
Patterson	Iowa	1926	40.30	79.89	28.30	93.52	30	7-1927-NNGA
Peanut	Ohio	1896	39.25					
Rohwer	Iowa	1926	42.25	75.94	27.09	88.29	24	2-1926-NNGA
Rice	Ky.	1934	36.00	93.02	25.08	56.00	21	
Sifford	Va.	1934	37.31	82.08	31.30	91.13	19	5-1934-NNGA
Snyder	N. Y.	1934	42.20	79.44	25.99	91.05	21	1-1934-N.Y.
Sparrow	Ill	1935	40.35	90.03	29.94		26	
Stabler	Md	1911	39.10	78.94	31.22	88.55	28	
Stambaugh	Ill	1926	40.08	62.00	32.87	81.05	23	1-1926-NNGA
Shepard	Iowa	1942	42.45	81.39	28.12	100	24	3-1946-INGA
Ten Eyck	N. J.	1915	40.35	74.15	30.45	81.56	26	
Thomas	Penn	1881	40.05	80.07	28.42	88.73	19	1-1942-INGA
Throp	Ind.	1926	39.20	59.00	18.73	100	40	
Victoria	Ky	1945	36.00	90.02	24.03	96.03	21	
Wiard	Mich	1926	42.15	95.04	31.20	91.00	35	3-1934-NNGA
Wetzel	Penn	1929	41.00	74.16	27.76	93.90	25	4-1929-NNGA

I.N.G.A. -- Iowa Nut Growers Association -- N.N.G.A. Northern Nut Growers Ass'n

JAN 25 1963

U. S. DEPARTMENT OF AGRICULTURE

Order only from those having a number or an X
PLEASE-use order bland on other side - PLEASE

Leave blank

Date _____ 19__

Order	
Our order number	
Order sent	How
Postage sent	
Postage used	
Postage due	Refund

Please book my order for the following grafted nut trees for shipment by express collect----- Parcel post----- Fall---- Spring-----.

TERMS: Cash with order. No charge for packing. Trees over 4-5 ft. size must go by express. If by parcel post please add 10 per cent to order. Any excess postage will be refunded.

If any trees you order are sold out, May I substitute with trees of equal or better value, Please answer yes or no-----. If you live in Iowa, Don't forget to add sales tax.

[illegible]

Name _____
Address _____
P.O. _____ State _____

Name-----
Address-----
P.O.-----State-----

BERHOW NURSERIES
HUXLEY, IOWA

PLANTING INSTRUCTIONS

Purchasers of walnut trees should be prepared to plant them as soon as possible, if conditions will not permit planting on arrival, by no means leave them in package, but remove from package, and at all times avoid exposure of roots to sun, air, and wind, as that will ruin tree life in just a very short time. Set trees in a vessel of water reaching well above the roots. If you can't plant for a while better dig a trench and bury the roots in a shady location.

In planting always keep roots wrapped in a wet blanket. Dig holes wider and deeper than needed so roots can be placed in their natural position. Put pulverized top soil in bottom, avoid air pockets as that will dry out the soil. Plant trees $\frac{1}{2}$ to 1 in. deeper than they were in the nursery, but not too deep. Be sure to firm the soil well starting at the bottom. A base ball bat makes a good tamping tool.

Leave soil sloping slightly towards the tree for a distance of about 5 ft. each way. This will help catch extra rain water. Next fill in with plenty of mulch such as straw, hay, lawn rakings, cobs, or what have you. Make this mulch at least 6" deep and out a distance of at least 5 ft. When this mulch rots away, add more indefinitely. Keep this mulch away from tree trunk to avoid mice making nests in mulch and injure tree bark. A drain tile is good around tree trunk and can be broken when tree out grows it.

Now is the time to add water (not while planting). Pour the water through the mulch and make it a good soaking. The depression around tree will prevent water from running away.

If season of planting becomes dry, start watering before trees show signs of suffering for then it's too late. Do not use a small amount of water each evening, better to water once a week but give a real good soaking while you're at it. In most cases the mulch will hold enough moisture that watering will not be necessary. Watering trees without mulch will cause cracks to form in the soil allowing moisture to escape and will often do more damage than good.

After trees are planted wrap each one two thirds way up from ground, to prevent drying out before the roots get into action. Also to prevent sun scald and a possible borer attack, leave this wrapping on until the end of the second growing season. For wrapping material you may cut strips out of the inner wrapping paper the trees came in, or cut strips 4 to 6" wide from a burlap sack and wind spirely upwards from ground two thirds way up.

Black and Persian walnut trees are heavy feeders and should be fertilized for best results. The amount depends on the fertility already in the soil. Both these trees thrive best in neutral or slightly alkaline soil (not acid). A fertilizer rich in nitrogen should be used. A commercial fertilizer such as 10-4-6. Ground agricultural lime stone is an excellent addition and can be applied on or in the mulch in generous quantities and add more from time to time.

Don't use fertilizer too heavy until trees begin to bear as it could cause trees to make too vigorous growth which could result in limb breakage in bad wind storms.

If you have two trees to plant and time only to plant one right, better plant the one and throw the other away, than to plant both poorly and loose them both, for one living tree is worth more than two dead ones.

When one considers the long life of a nut tree and the value of its life's production, it is well worth a little extra care, a tree lost through poor planting and care and replaced a year later results in a years time lost never to return.

When your black walnut trees come into bearing gather and hull the nuts as soon as they fall and wash them for bright kernels, if hulls are allowed to become black it will cause a dark color to the kernels. While washing skim off those that float as they will shrivel up and be no good.

There are a number of good hand operated nut crackers on the market. They are very satisfactory and will last a life time.

Nut meats are ready to eat when they come from the shell and can not be improved, but they can improve many other foods. Black walnut meats after baked in other foods retain their original flavor. No other nut meats do that.

EAT MORE NUT MEATS FOR YOUR HEALTH'S SAKE.

Sincerely,
Berhow Nurseries
Huxley, Iowa